

U.S. Patent Application Serial No. 10/027,725
Amendment filed December 14, 2006
Response to Official Action dated September 14, 2006

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Amendments to the Claims:

The following Listing of Claims replaces all prior versions and listings of the claims in this application.

Listing of the Claims:

Claims 1-24 (Cancelled).

Claim 25: (Previously Presented) A grass pollen group 2 allergen specific human IgE Fab having a heavy chain consisting of the amino acid sequence as shown in SEQ ID NO: 7, SEQ ID NO: 8, or SEQ ID NO: 9, and a light chain consisting of the amino acid sequence as shown in SEQ ID NO: 10, SEQ ID NO: 11, or SEQ ID NO: 12.

Claim 26: (Currently Amended) An isolated grass pollen group 2 allergen specific antibody comprising human ~~IgG~~ IgG1 and the variable regions of the IgE Fab of claim 45.

Claim 27: (Previously Presented) The IgG according to claim 26, wherein the antibody is directed against Phl p 2.

Claim 28: (Previously Presented) A diagnostic reagent comprising the antibody according to claim 26.

Claim 29: (Previously Presented) A diagnostic kit comprising the reagent according to claim 28.

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Claim 30: (Previously Presented) The IgE Fab according to claim 45, wherein the IgE Fab is directed against Phl p 2.

Claim 31: (Previously Presented) The IgE Fab according to claim 45, wherein the IgE Fab is recombinantly produced.

Claim 32: (Currently Amended) A diagnostic reagent comprising the IgE Fab according to claim 45, ~~or the corresponding complete antibody.~~

Claim 33: (Previously Presented) A diagnostic kit comprising the reagent according to claim 32.

Claim 34: (Currently Amended) A vaccine against Timothy grass pollen allergy comprising the IgE Fab according to claim 45, ~~or the corresponding complete antibody.~~

Claim 35: (Currently Amended) A method for passive immunotherapy of Timothy type I grass pollen allergy, comprising administering the IgE Fab according to claim 45.

Claim 36: (Previously Presented) A method for diagnosing type I allergy, comprising contacting a sample with the IgE Fab according to claim 45.

Claim 37: (Previously Presented) A method for environmental allergen detection, comprising contacting a sample with the IgE Fab according to claim 45.

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Claim 38: (Previously Presented) A method for standardization of allergen extract, comprising standardizing the allergen extract with the IgE Fab according to claim 45.

Claim 39: (Previously Presented) A grass pollen group 2 allergen specific human IgE Fab having a heavy chain encoded by the nucleic acid sequence as shown in SEQ ID NO: 1, SEQ ID NO: 2, or SEQ ID NO: 3, and a light chain encoded by the nucleic acid as shown in SEQ ID NO: 4, SEQ ID NO: 5, or SEQ ID NO: 6.

Claim 40: (Currently Amended) An isolated grass pollen group 2 allergen specific antibody comprising human IgG IgG1 and the variable regions of the IgE Fab of claim 46.

Claim 41: (Previously Presented) The IgE Fab according to claim 46, wherein the IgE Fab is directed against Phl p 2.

Claim 42: (Currently Amended) A diagnostic reagent comprising the IgE Fab according to claim 46, ~~or the corresponding complete antibody.~~

Claim 43: (Previously Presented) A diagnostic kit comprising the reagent according to claim 42.

Claim 44: (Currently Amended) A vaccine against Timothy grass pollen allergy comprising the IgE Fab according to claim 46, ~~or the corresponding complete antibody.~~

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Claim 45: (Previously Presented) A grass pollen group 2 allergen specific human IgE Fab having a heavy chain consisting of the amino acid sequence as shown in SEQ ID NO: 7, SEQ ID NO: 8, or SEQ ID NO: 9, and a light chain consisting of the amino acid sequence as shown in SEQ ID NO: 10, SEQ ID NO: 11, or SEQ ID NO: 12, respectively.

Claim 46: (Previously Presented) A grass pollen group 2 allergen specific human IgE Fab having a heavy chain encoded by the nucleic acid sequence as shown in SEQ ID NO: 1, SEQ ID NO: 2, or SEQ ID NO: 3, and a light chain encoded by the nucleic acid as shown in SEQ ID NO: 4, SEQ ID NO: 5, or SEQ ID NO: 6, respectively.

Claim 47: (New) A method for passive therapeutic treatment of Type I grass pollen allergy, comprising administering the IgE Fab according to claim 45.